

***LineUp With Math™* Alignment**  
**South Dakota Mathematics Content Standards**  
**May 17, 2004**

### Measurement Standards

#### Indicator 1: Apply measurement concepts in practical applications.

Standard and Supporting Skills	<i>LineUp With Math™</i> Activities
5.M.1.1. (Comprehension) Students are able to determine elapsed time within an a.m. or p.m. period on the quarter-hour.	--Apply mathematics to solving distance, rate, and time problems for aircraft conflict scenarios.
5.M.1.4. (Application) Students are able to use appropriate tools to measure length, weight, temperature, and area in problem solving.	--Use an interactive simulator to identify distance, rate, time conflicts in air traffic control problems and resolve the conflicts by varying plane speeds or changing plane routes.

### Number Sense Standards

#### Indicator 3: Develop conjectures, predictions, or estimations in the process of problem solving and verify or justify the results.

Standard and Supporting Skills	<i>LineUp With Math™</i> Activities
5.N.3.1. (Application) Students are able to use different estimation strategies to solve problems involving whole numbers, decimals, and fractions to the nearest whole number.	--Predict and resolve aircraft conflicts and explain results of mathematical calculations and simulations.  --Use an interactive simulator plus calculation worksheets to apply proportional reasoning to identify and resolve distance, rate, time conflicts in air traffic control.